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It will be evident that this is a period of slight change in the latitude at this point; the total range of variation being barely more than a tenth of a second. The latitude observed will then have but small corrections, smaller than the actual probable error of the determination.

			$\phi - \phi_0$
1893,	September	1	+″.04
	October	1	— .01
	November	1	— .04
	December	1	— .06
1894,	January	1	— .06
	February	1	— .04
	March	1	— .02
	April	1	— .01
	May	1	.00
	June	1	.00
	July	1	— .01
	August	1	— .01
	September	1	— .01
	October	1	.00
	November	1	+ .02
	December	1	+ .04
1895,	January	1	+ .07

There will be available for the latitude discussion, during this period, about 500 observations of the circumpolar stars of the Berlin *Jahrbuch*, distributed between upper and lower culminations; and 700 observations of equatorial stars of the same list.

R. H. T.

CORRECTION TO THE *AMERICAN EPHEMERIS*, 1894, FIRST EDITION.

In comparing some meridian circle observations of the star 31 *Comæ Berenices*, made in 1894, with the places given in the *American Ephemeris*, first edition, these last were found to be erroneously reduced. The superintendent has kindly forwarded a copy of the second edition, in which the correction had been noted. Since this does not appear in the lists of corrections for subsequent years, it may be serviceable for those who have the first edition, 1894, to print the places of the star here. Those for λ *Bootis* have also to be corrected, and ephemerides of the two follow.

31 *Com. Ber.*
61° 53′

1894.		$12^h\ 46^m$
Feb.	8.6	$33^s.60$
	18.6	33.87
	28.6	34.10
Mch.	10.5	34.29
	20.5	34.42
	30.5	34.51
April	9.5	34.57
	19.4	34.58
	29.4	34.57
May	9.4	34.52
	19.4	34.46
	29.3	34.37
June	8.3	34.27
	18.3	34.16

λ *Bootis.*
43° 25′

1894.		$14^h\ 12^m$
Mch.	20.6	$23^s.70$
	30.6	23.91
April	9.5	24.06
	19.5	24.17
	29.5	24.22
May	9.5	24.23
	19.4	24.19
	29.4	24.12
June	8.4	24.00
	18.3	23.85
	28.3	23.68
July	8.3	23.48
	18.3	23.27
	28.2	23.05

The places of these stars are given on pages 371 and 372 of the first edition.

R. H. T.

CHANGES IN THE MERIDIAN CIRCLE CORRECTIONS, AFTER ADJUSTMENT.

In the beginning of October, 1894, the meridian circle was adjusted in level and azimuth, the *plus* values of the corrections being reduced nearly to zero. The list following shows the changes subsequent to adjustment, as determined on observing nights. The level has been obtained over the nadir and checked by the hanging level. The azimuth is closely checked by reading on the Mire, lighted by incandescent lamp; the observation of this last not differing more than $^s.01$, on the average, from the azimuth obtained by circumpolar stars, over long intervals.

It will be noticed that changes set in at once. That of the level is, in general, progressive, and in the same direction as noted at the same season of the year preceding, but more rapid. The azimuth appears to have oscillations, with some dependence upon temperature.

The thermometer reading is the mean temperature of the night of observation, and any discussion of the changes due to